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EXAMINER

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ART UNIT PAPER NUMBER

3621

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Please find below and/or attached an Office communication concerning this application or proceeding.

*SUPPLEMENTAL*

**Notice of Allowability**

Application No.

09/393,405

Examiner

Pierre E. Elisca

Applicant(s)

HOWARD ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/11/2006.
2. ☐ The allowed claim(s) is/are \_\_\_\_\_.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Pierre E. Elisca*  
PRIMARY EXAMINER

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## EXAMINER'S AMENDMENT

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1-19 (Canceled)

20-23 (Withdrawn)

24. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

- downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

- downloading content from the source to the local computer system ~~web browser~~;
- presenting the downloaded content within a browser window of the web browser; and
- as determined by the source in accordance with the authorization information, disabling at the local computer system a disallowed user function that affects the downloaded content when the downloaded content is within the browser window.

25. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

- downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

- downloading content from the source to the local computer system ~~web browser~~;
- presenting the downloaded content within a browser window of the web browser;
- as determined by the source in accordance with the authorization information, disabling at the local computer system a disallowed user function when the downloaded content is within the browser window by intercepting a message posted to the browser window; and
- hiding the downloaded content if the browser is not a foreground application.

26. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

- downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

- downloading content from the source to the local computer system ~~web browser~~;

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presenting the downloaded content within a browser window of the web browser; and  
as determined by the source in accordance with the authorization information, disabling at the local computer system a disallowed user function when the downloaded content is within the browser window by clearing a commonly shared inter-application memory that can contain the downloaded content.

27. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

downloading content from the source to the local computer system ~~web browser~~;  
presenting the downloaded content within a browser window of the web browser; and  
as determined by the source in accordance with the authorization information, disabling at the local computer system a disallowed user function when the downloaded content is within the browser window by hiding a user menu selection that affects the downloaded content corresponding to the disallowed user function.

28. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

downloading content from the source to the local computer system ~~web browser~~;  
presenting the downloaded content within a browser window of the web browser;  
as determined by the source in accordance with the authorization information, disabling at the local computer system a disallowed user function when the downloaded content is within the browser window by intercepting a keyboard message that affects the downloaded content;  
and

discarding the keyboard message if it corresponds to the disallowed user function.

29. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

downloading content from the source to the local computer system ~~web browser~~;  
presenting the downloaded content within a browser window of the web browser;

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as determined by the source in accordance with the authorization information, disabling at the local computer system a disallowed user function when the downloaded content is within the browser window by monitoring a context for a device; and

discarding a user action directed to the device when the context matches the downloaded content.

30. (Original) The method of claim 24, wherein the disallowed user function is one of a plurality of default disallowed user functions and further comprising:

leaving active one of the plurality of default disallowed user functions.

31. (Presently amended) The method of claim 30, further comprising providing information with the downloaded content that determines the one of the plurality of default disallowed user functions to be left active.

32. (Original) The method of claim 24 wherein the disallowed user function is selected from the group consisting of print, page setup, save, save as, view source, save picture as, set as wallpaper, copy, screen capture, screen print, cut.

33. (Original) The method of claim 24 further comprising managing authentication of a web client.

34. (Original) The method of claim 24 further comprising processing a request from a web client for encrypted content.

35. (Original) The method of claim 24 further comprising creating a unique identifier for a web client.

36. (Previously presented) The method of claim 24 further comprising encrypting content before downloading with a key based on the unique identifier for the web client.

37. (Previously presented) The method of claim 24 wherein the downloaded content comprises user perceivable information in a hyper-text markup language (HTML) format.

38. (Previously presented) The method of claim 24 wherein the downloaded content comprises user perceivable streaming information.

39. (Previously presented) The method of claim 24 wherein the downloaded content comprises at least one of video information and audio information.

40. (Presently amended) A method for controlling access to information presented by a web browser executing on a local computer system connected to a computer network, wherein content is downloaded from a source over the computer network to the web browser, the method comprising:

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downloading, from the source to the local computer system, ~~web browser~~ authorization information that configures the web browser to process content in a manner determined by the source;

downloading content from the source to the local computer system ~~web browser~~;  
presenting the downloaded content within a browser window of the web browser; and  
as determined by the source in accordance with the authorization information, disabling at the local computer system when the downloaded content is within the browser window, a user function that provides for non-ephemeral reproduction of the content.

41. (Previously presented) The method of claim 24 wherein the downloaded content comprises user perceivable information in a scripting language format.

42. (Previously presented) The method of claim 24 wherein the downloaded content comprises user perceivable information in a common gateway interface (CGI) language format.

43. (Previously presented) The method of claim 24 wherein the downloaded content comprises user perceivable information in a JAVA language format.

44-61 (Canceled)

62. (Presently amended) A computer readable medium having stored thereon computer executable instructions to cause a client digital processing system to perform a method comprising:

receiving, from a server digital processing system, ~~in a browser window client executing on the client digital processing system~~ authorization information that configures ~~the a~~ browser window client executing on the client digital processing system to process content in a manner determined by the server digital processing system;

receiving protected content from the server digital processing system;  
presenting the protected content within the browser window client executing on the client digital processing system; and

as determined by the server digital processing system in accordance with the authorization information, disabling at the client digital processing system disallowed user functions when the protected content is in the browser window, wherein the disallowed user function comprises a user function which, when allowed, provides for non-ephemeral reproduction of the protected content.

63. (Previously presented) The computer-readable medium of claim 62 wherein the medium has stored thereon computer executable instructions to cause the client digital processing system to perform the method further comprising:

intercepting a message posted to the browser window; and hiding the protected content if the browser is not a foreground application.

64. (Presently amended) A The computer readable medium of claim 62 wherein the medium has stored thereon computer executable instructions to cause the client digital processing system

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to perform the method in which the disallowed user function is enabled when content in the browser window is not designated to be protected such that non-ephemeral reproduction of such content is allowed.

65-77 (Canceled)

78. (Previously presented) A system for controlling reproduction of content downloaded from a source over a network to a client computer system comprising:

means for receiving from the source, authorization information that configures a web browser executing in the client computer system to process content in a manner determined by the source;

means responsive to the authorization information for modifying the web browser to prevent the web browser from being used to reproduce, in at least one form, content received by the web browser;

means for receiving at the client computer system the downloaded content to be protected; and

means for displaying in the web browser the protected content.

79-94 (Canceled)

95. (Previously presented) In a local computer system operatively connectable to a source of content and capable of executing a web browser and a viewer program that runs within the web browser, the viewer program having a plurality of functions related to presenting the content from the source, a method comprising:

(A) downloading the viewer program from the source;

(B) receiving from the source function authorization data indicating which of the viewer functions may be performed at the local computer system on the content;

(C) receiving content from the source;

(D) presenting the content with the viewer program; and

(E) disabling at the local computer system selected viewer functions in accordance with the function authorization data received from the source.

96. (Original) The method of claim 95 wherein the disabled viewer functions are selected from the group consisting of print, page set-up, save, save as, view source, save picture as, set as wallpaper, copy, screen capture, print screen and cut functions.

97. (Previously presented) The method of claim 95 wherein the viewer program comprises an add-in security module that modifies the web browser at the local computer system.

98. (Presently amended) A computer program product for use with a local computer system operatively coupled to a source of content, the local computer system capable of executing a web browser and a viewer program that runs within the web browser, the viewer program having a plurality of functions related to presenting the content from the source, the computer program

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product comprising a computer useable medium having embodied therein program code comprising:

(A) program code for downloading the viewer program from the source to the local computer system;

(B) program code for receiving, at the local computer system and from the source, function authorization data indicating which of the viewer functions may be performed at the local computer system on the content;

(C) program code for receiving content from the source at the local computer system;

(D) program code for presenting the content with the viewer program; and

(E) program code for disabling at the local computer system selected viewer functions in accordance with the function authorization data received from the source.

99. (Previously presented) The computer program product of claim 98 wherein the disabled viewer functions are selected from the group consisting of print, page set-up, save, save as, view source, save picture as, set as wallpaper, copy, screen capture, print screen and cut functions.

100. (Previously presented) The computer program product of claim 98 wherein the viewer program comprises an add-in security module that modifies the web browser at the local computer system.

101. (Presently amended) Apparatus for use with a local computer system operatively coupled to a source of content, the local computer system capable of executing a web browser and a viewer program that runs within the web browser, the viewer program having a plurality of functions related to presenting the content from the source, the apparatus comprising:

(A) a processor;

(B) a memory coupled to the processor;

(C) a network interface coupled to the processor and the memory;

(D) program logic for downloading the viewer program from the source to the local computer system;

(E) program logic for receiving, at the local computer system and from the source, function authorization data indicating which of the viewer functions may be performed at the local computer system on the content;

(F) program logic for receiving, at the local computer system, content from the source;

(G) program logic for presenting the content with the viewer program; and

(H) program logic for disabling at the local computer system selected viewer functions in accordance with the function authorization data received from the source.

102. (Previously presented) The apparatus of claim 101 wherein the disabled viewer functions are selected from the group consisting of print, page set-up, save, save as, view source, save picture as, set as wallpaper, copy, screen capture, print screen and cut functions.

103. (Previously presented) The apparatus of claim 101 wherein the viewer program comprises an add-in security module that modifies the web browser.



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104. (Presently amended) In a local computer system operatively connected to a source of content and capable of executing a presentation program, the presentation program having a plurality of functions related to presenting the content from the source, a method comprising:

(A) receiving, at the local computer system, a document containing function authorization data and content from the source, the function authorization data specifying which presentation program functions are enabled and disabled;

(B) displaying the content with the presentation program;

(C) monitoring user command input to the presentation program; and

(D) selectively enabling at the local computer system presentation program functions in accordance with the function authorization data received from the source.

105. (Previously presented) The method of claim 104 wherein (D) comprises:

(D1) determining if the authorization data associated with the content defines restrictions on the presentation program functions;

(D2) if restrictions are defined, disallowing at the local computer system selected program functions; and

(D3) if no restrictions are defined, allowing at the local computer system all presentation program functions.

106. (Previously presented) The method of claim 104 wherein the disallowed user functions are selected from the group consisting of print, page set-up, save, save as, view source, save picture as, set as wallpaper, copy, screen capture, print screen and cut functions.

107. (Presently amended) In a local computer system operatively connected to a source of content and capable of executing a presentation program, the presentation program having a plurality of functions related to presenting the content from the source, a method comprising:

(A) receiving, at the local computer system, a document containing authorization information and content from the source, the authorization information specifying which presentation program functions are enabled and disabled;

(B) displaying the content with the presentation program;

(C) monitoring user command input to the presentation program; and

(D) using the authorization information to enable at the local computer system less than all of the presentation program functions while the content is being presented.

108. (Previously presented) The method of claim 107 wherein the disallowed user functions are selected from the group consisting of print, page set-up, save, save as, view source, save picture as, set as wallpaper, copy, screen capture, print screen and cut functions.

109. (Presently amended) In a local computer system operatively connected to a source of content and capable of executing a presentation program, the presentation program capable of presenting the content from the source, a method comprising:

(A) running the presentation program in a web browser executing on the local computer system;

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(B) receiving, at the local computer system, a document containing authorization information and content from the source, the authorization information specifying which presentation program functions are enabled and disabled;

(C) displaying the content with the presentation program; and

(D) using the authorization information to control the presentation program to prevent non-ephemeral reproduction of the content being displayed with the presentation program.

110. (Previously presented) The method of claim 109 wherein (D) comprises:

(D1) limiting at the local computer system user control over the content through a technique selected from the group consisting of window subclassing, clipboard flushing, disabling of browser functions, source code encryption, user level encryption, document package securing, drag and drop disabling, cache content securing, and device context monitoring.

111. (Previously presented) The method of claim 24 wherein the authorization information comprises a plug-in program that is downloaded before the content is downloaded.

112. (Previously presented) The method of claim 24 wherein the authorization information is part of a document that includes the content.

Authorized by Paul D. Sorkin.



Pierre Eddy Elisca

**Primary Patent Examiner**

**July 6, 2006**